

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050618

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B26/02 G02B3/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/034748 A (KONINKL PHILIPS ELECTRONICS NV) 24 April 2003 (2003-04-24) page 3, line 1 - page 5, line 16; figures 1,3	1-12
Y	US 6 369 954 B1 (BERGE BRUNO ET AL) 9 April 2002 (2002-04-09) column 3, line 3 - column 4, line 20 column 5, line 27 - line 64 figures 1,2,6	1-12
Y	WO 02/069016 A (LIGHTWAVE MICROSYSTEMS CORP) 6 September 2002 (2002-09-06) cited in the application paragraph '0061! - paragraph '0073! paragraph '0086! - paragraph '0152! figures 1-15	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

3 September 2004

Date of mailing of the international search report

16/09/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

THEOPISTOU, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050618

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BERGE B ET AL: "Variable focal lens controlled by an external voltage: an application of electrowetting" EUROPEAN PHYSICAL JOURNAL E. SOFT MATTER, EDP SCIENCES, IT, vol. 3, no. 2, October 2000 (2000-10), pages 159-163, XP002285977 ISSN: 1292-8941 page 159, left-hand column, paragraph 1 - page 160, right-hand column, paragraph 2; figure 1 -----	1-12
A	US 2001/017985 A1 (NOTO GORO ET AL) 30 August 2001 (2001-08-30) paragraph '0045! - paragraph '0054!; figures 1,2 -----	1-12
A	US 5 864 128 A (PLESKO GEORGE A) 26 January 1999 (1999-01-26) column 10, line 65 - column 13, line 9; figures 18,19 -----	9,10

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050618

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03034748	A	24-04-2003	EP 1438865 A1 WO 03034748 A1 TW 563984 Y US 2003085850 A1	21-07-2004 24-04-2003 21-11-2003 08-05-2003
US 6369954	B1	09-04-2002	FR 2769375 A1 AT 214164 T CA 2306249 A1 DE 69804119 D1 DE 69804119 T2 EP 1019758 A1 ES 2171041 T3 WO 9918456 A1 JP 2001519539 T	09-04-1999 15-03-2002 15-04-1999 11-04-2002 28-11-2002 19-07-2000 16-08-2002 15-04-1999 23-10-2001
WO 02069016	A	06-09-2002	US 2003012483 A1 WO 02069016 A2 WO 02068821 A2 US 2003006140 A1	16-01-2003 06-09-2002 06-09-2002 09-01-2003
US 2001017985	A1	30-08-2001	JP 2001228307 A JP 2001249282 A	24-08-2001 14-09-2001
US 5864128	A	26-01-1999	US 5550367 A US 5506394 A US 6179444 B1 US 6233098 B1 US 5886332 A US 5880452 A CA 2174623 A1 EP 0725955 A1 JP 9504398 T WO 9512177 A1 US 6118569 A US 5656805 A US 5932860 A	27-08-1996 09-04-1996 30-01-2001 15-05-2001 23-03-1999 09-03-1999 04-05-1995 14-08-1996 28-04-1997 04-05-1995 12-09-2000 12-08-1997 03-08-1999

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☒ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.